

20030206.qrp v02_n823.qrl.20030206

Date: Thu, 6 Feb 2003 19:03:06 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2823

QRP-L Digest 2823

Topics covered in this issue include:

- 1) [145791] Truffle Info
by "Jay Henson" <aj4ay@worldnet.att.net>
- 2) [145792] RS power supply
by "John" <jdorson@worldshare.net>
- 3) [145793] K7RE Brian
by "Floyd Smithberg" <nq7x@earthlink.net>
- 4) [145794] Re: Gooley gray pudding reactance calculator
by Ted Kell <tedkell@ev1.net>
- 5) [145795] Re: Gooley gray pudding reactance calculator
by Ted Kell <tedkell@ev1.net>
- 6) [145796] Re: [145773] Looking for a Norcal Cascade
by Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
- 7) [145797] Re: LF RX Loop article
by Pat Byers <pbyers@rttinc.com>
- 8) [145798] RE: Touch Lamp RFI
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 9) [145799] Re: fox qso
by Bill Stietenroth <k5zty@juno.com>
- 10) [145800] BCB Interference Filter
by "Howard Kraus" <K2UD@adelphia.net>
- 11) [145801] Re: [145773] Looking for a Norcal Cascade
by Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
- 12) [145802] FS: Wilderness Norcal 40A
by Radioham <radioham@comcast.net>
- 13) [145803] Fwd: Living up to the Hype: Superconductors
by Ed Tanton <n4xy@earthlink.net>
- 14) [145804] NEQRP CW Net, Thursday, 6 Feb 03, 08:30 PM EST, 3.565 MHz
by Chuck Ludinsky <cjl@mitre.org>
- 15) [145805] RE: Elecraft K2 CW Envelope Scope Pic
by "Dave Fifield" <dave@redhotradio.com>
- 16) [145806] RE: SMT work
by "Dave Fifield" <dave@redhotradio.com>
- 17) [145807] a tree,,, can it be an antenna?
by "pschweit" <pschweit@mninter.net>
- 18) [145808] WANTED: DSW-40
by "Brice D. Hornback" <bdh@cyberbound.net>
- 19) [145809] Re: ARS SP & Propagation Prediction

- by "Rod NØRC" <rod@nØrc.us>
- 20) [145810] Fox - California
by Don Minkoff <cowchip@attbi.com>
- 21) [145811] Re: [QRPp-I] About becoming a Ham.
by George Gingell <k3tks@u1.abs.net>
- 22) [145812] Re: [PIC] Other Options
by George Gingell <k3tks@u1.abs.net>
- 23) [145813] Re: W6TOY Found
by George Gingell <k3tks@u1.abs.net>
- 24) [145814] Re: SMT Work
by George Gingell <k3tks@u1.abs.net>
- 25) [145815] Re: SMT Work
by George Gingell <k3tks@u1.abs.net>
- 26) [145816] Re: New Book - WOW!
by "Michael C. Boatright" <ko4wx@mindspring.com>
- 27) [145817] FS: MFJ Cub
by "John" <jdorson@worldshare.net>
- 28) [145818] Re: fox qso
by "Karl F. Larsen" <k5di@zianet.com>
- 29) [145819] Crystal Radio kit closeout at RS
by James R Giammanco <n5ib@juno.com>
- 30) [145820] Re: fox qso
by "Tom Palmer" <n1tp@swfla.rr.com>
- 31) [145821] UPDATED: the "Rock-Mite" files
by "Rod NØRC" <rod@nØrc.us>
- 32) [145822] Re: a tree,,, can it be an antenna?
by "Frank Emens" <femens@hiwaay.net>
- 33) [145823] Re: fox qso
by Paul Womble <pwomble1@tampabay.rr.com>
- 34) [145824] Check those electrolytics!
by Jake Brodsky <frussle@erols.com>
- 35) [145825] RE: Elecraft K2 CW Envelope Scope Pic
by ac7a@earthlink.net
- 36) [145826] Re: Check those electrolytics!
by Alex <kr1st@amsat.org>
- 37) [145827] Re: Crystal Radio kit closeout at RS
by "John P. Cummins, Sr." <jpcummins@charter.net>
- 38) [145828] Re: [Antennas] 80m dipole center connectors?
by "W2WU" <w2wurjj@verizon.net>
- 39) [145829] RE: SMT work
by Pete Burbank <plburbank@earthlink.net>
- 40) [145830] Re: a tree,,, can it be an antenna?
by "Tom Pennebaker" <n4rs@netpath-rc.net>
- 41) [145831] Re: a tree,,, can it be an antenna?
by "JB Crafts" <jbcraft@adelphia.net>
- 42) [145832] Fw: SMT Work
by "Joe Martin" <km5cw@arrl.net>
- 43) [145833] Re: W6TOY Found

- by David Hinerman <WD8CIV@worldnet.att.net>
- 44) [145834] Re: SMT Work
by Ed Tanton <n4xy@earthlink.net>
- 45) [145835] 2M CW QRP calling frequency?
by Kenneth Cooperstein <cprstn54@att.net>
- 46) [145836] Re: fox qso
by Bill ROWLETT <kc4atu@yahoo.com>
- 47) [145837] Spartan Sprint Results - NOT
by "John Huffman" <hjohnc@core.com>
- 48) [145838] Re: Check those electrolytics!
by "Mike Yetsko" <myetsko@insydesw.com>
- 49) [145839] Re: [PIC] Other Options
by "Mike Yetsko" <myetsko@insydesw.com>
- 50) [145840] Re: W6TOY Found
by "Mike Yetsko" <myetsko@insydesw.com>
- 51) [145841] Is digital moving in?
by Ed Lawson <k1vp@grizzly.com>
- 52) [145842] Re: Check those electrolytics!
by Jake Brodsky <frussle@erols.com>
- 53) [145843] Re: 2M CW QRP calling frequency?
by "Dave Sjolin" <sjolin@swbell.net>
- 54) [145844] Re: SMT Work
by "Brice D. Hornback" <bdh@cyberbound.net>

Date: Wed, 5 Feb 2003 18:16:34 -0600
From: "Jay Henson" <aj4ay@worldnet.att.net>
To: "QRPL" <qrp-l@lehigh.edu>, "Flying Pigs" <fpqrp-l@mpna.com>
Subject: [145791] Truffle Info
Message-ID: <005201c2cd75\$02ae72d0\$bc71560c@jay>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All,

It is again my turn to hand out the chocolat truffle morsels tomorrow evening. I hope everyone gives the hunt a try so that we can warm up the ether for the foxii.

Look for me to be operating above 7.040 and listening up 1kHz between 0130Z and 0200Z, 2/7/03 (that is Thursday evening in the good ole US of A time zones). The operating conditions will be my K2 at 5 watts to a 300 foot horizontal loop up 40 feet (favors WNW to ENE - not a whole lot to my south to work) and my 120 foot end fed wire up 45 feet (favors E and W). I'll be switching antennas to get the best reception from a calling station. On my

last outing I was able to cover states from all over the country, close in and fer out. Hopefully, tomorrow night will be just as good.

I will be calling CQ FP AJ4AY FP K at around 20 wpm. I can copy a little faster than that but you take your chances. If I need to slow down, I will absolutely do that for you.

When I get a complete callsign, I'll respond URCALL 559 AL JAY 115 URCALL K. The 115 is my FP number.

Your response should include RST SPC NAME FP# or PWR as a minimum. Lots of discussion lately about what makes a complete QSO. I'll leave your response up to each of you. Whatever you are comfortable with. As long as I have your information, it goes into the log (hopefully correct and readable). Logging will be with P&P.

If you have an FP number, please provide it. If not, provide your power. If I need any fills, I will respond with RST?, NAME?, SPC? or NBR?. When I have your information, I will send TU AJ4AY FP K. Make your calls then.

There is supposed to be a low pressure front moving through Mobile tomorrow with rain and maybe storms. If it appears that I will be in the middle of thunder boomers for my outing, I will try and round up a replacement. It may be at the last minute though. If any of you want to volunteer as a stand by just in case I am literally under the weather, drop me a direct note. I'll be in touch.

Thanks for the opportunity and GOOD HUNTING to all.

Jay
AJ4AY
Mobile, AL
QRPL 1372, ARCI 8131, FISTS 7917, FP -115, SOC 220

Date: Wed, 5 Feb 2003 19:18:47 -0500
From: "John" <jdorson@worldshare.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [145792] RS power supply
Message-ID: <002c01c2cd75\$54ba2bf0\$5c3a8d41@ATHOME>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just set up my new RS power supply using my TS-50 and two of me qrp rigs and

all are a quite as you would like, so if any of you have been waiting,
DON'T. Get one while they last. This is truly one of the best buys of
recent.

Thanks.
John K2JHU...
South Island Real Estate
jdorson@worldshare.net

Date: Wed, 5 Feb 2003 17:36:41 -0700
From: "Floyd Smithberg" <nq7x@earthlink.net>
To: "QRP-L Message" <qrp-l@lehigh.edu>
Subject: [145793] K7RE Brian
Message-ID: <002001c2cd77\$d1d25520\$b0d356d1@FloydNQ7X>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

E-mail to your arrl address is bouncing.....wassup?
73 Floyd NQ7X Phoenix,AZ DM33VQ

Date: Sun, 02 Feb 2003 20:37:27 -0600
From: Ted Kell <tedkell@ev1.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
 JamesDuffey@comcast.net
Subject: [145794] Re: Gooley gray pudding reactance calculator
Message-ID: <VPNL71T0ZXKI2V53GEA0HDXVTNBA7NK.3e3dd5e7@default>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

they were made by Perry Graf, still in business. Might call them and see if they
still have any in stock.

N3Ted

2/1/03 9:34:48 PM, "James R. Duffey" <JamesDuffey@comcast.net> wrote:

>Hey Nick - Good post on how to exercise that old gray matter.
>

>Although you mention nomographs, you forgot the old ARRL Lightning L-C
>calculator. This was a slide rule device that gave one a variety of outputs.
>A C to resonant with a given L at a particular frequency, and vice versa,
>required windings of for any diameter form and wire gauge for a specific
>inductance, and of course reactance, capacitance, and inductance
>calculations. One could go straight from a given variable capacitor, say 10
>-365 pf to an inductance in wire gauge, diameter and turns per inch to cover
>a specific frequency range, say the 160 M r 80 M band.

>

>All this was quicker than entering numbers into a calculator or computer,
>although less accurate, the accuracy was good enough for Ham work.

>

>I'll bet the ARRL could sell a thousand of these today if they reprinted
>them. Ed? - Dr. Megacycle KK6MC/5

>

>James R. Duffey KK6MC/5

>Cedar Crest NM 87009 DM65

>

>

>

Date: Sun, 02 Feb 2003 20:39:51 -0600

From: Ted Kell <tedkell@ev1.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
JamesDuffey@comcast.net

Subject: [145795] Re: Gooley gray pudding reactance calculator

Message-ID: <83PNZV61TZTGFDHCVR52U3Z0I4Z2.3e3dd677@default>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Oh yeah, I forgot. Somebody scanned one and published it on the web for people to use. You glued the sheet to a bit of card stock and made your own. Might look for it. Maybe someone knows where to get it.

N3Ted

2/1/03 9:34:48 PM, "James R. Duffey" <JamesDuffey@comcast.net> wrote:

>Hey Nick - Good post on how to exercise that old gray matter.

>

>Although you mention nomographs, you forgot the old ARRL Lightning L-C

>calculator. This was a slide rule device that gave one a variety of outputs.
>A C to resonant with a given L at a particular frequency, and vice versa,
>required windings of for any diameter form and wire gauge for a specific
>inductance, and of course reactance, capacitance, and inductance
>calculations. One could go straight from a given variable capacitor, say 10
>-365 pf to an inductance in wire gauge, diameter and turns per inch to cover
>a specific frequency range, say the 160 M r 80 M band.
>
>All this was quicker than entering numbers into a calculator or computer,
>although less accurate, the accuracy was good enough for Ham work.
>
>I'll bet the ARRL could sell a thousand of these today if they reprinted
>them. Ed? - Dr. Megacycle KK6MC/5
>-----
>James R. Duffey KK6MC/5
>Cedar Crest NM 87009 DM65
>
>
>

Date: Wed, 5 Feb 2003 19:44:10 -0500 (EST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
To: qrp-1@Lehigh.EDU
Subject: [145796] Re: [145773] Looking for a Norcal Cascade
Message-ID: <200302060044.h160iAU10537@panix2.panix.com>

Does anyone recall how much these were originally?

73, doug

Date: Wed, 5 Feb 2003 08:04:00 -0600
From: "Gene Sailsbury" <gsailsbury@mobill1.net>

Looking for a Norcal Cascade kit. Let me know the price in your email.
Thanks.

72
Gene N0MQ

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.445 / Virus Database: 250 - Release Date: 1/21/2003

Date: Wed, 05 Feb 2003 17:53:14 -0700
From: Pat Byers <pbyers@rttinc.com>
To: kr1st@amsat.org,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [145797] Re: LF RX Loop article
Message-ID: <5.1.0.14.2.20030205174900.00b58d08@mail.rttinc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:36 AM 05/02/2003 -0500, you wrote:

>Hi there,
>
>While looking for info on masts I found a nice article PDF article with
>pictures on a LF RX loop antenna:
>
><http://www.highnoonfilm.com/xmgr/loop.pdf>
>
>73,
>--Alex KR1ST

Thanks, Alex, for the link to such a neat article.

Lowfer enthusiasts should also look at
<http://www.imagenisp.ca/jsm/Loop.html> . Steve VE7SL (the WAS Tuna Tin guy)
has built a nice loop with a wood frame. All the info needed to duplicate
it is here. Probably easily scalable to 160m, too.

73,

Pat Byers VE6AAN
Ponoka, AB

Date: Wed, 5 Feb 2003 20:05:49 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [145798] RE: Touch Lamp RFI
Message-ID: <721D3436A7C2B344A301FD4A413C71A9BFC347@kosh.ARRLHQ.ORG>
content-class: urn:content-classes:message

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<http://www.arrl.org/tis/info/touchlamp.html>

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Stuart Rohre [<mailto:rohre@arlut.utexas.edu>]
> Sent: Wednesday, February 05, 2003 4:34 PM
> To: Low Power Amateur Radio Discussion
> Subject: Touch Lamp RFI
>=20
>=20
> Mike,
> The touch lamps use a capacitive pickup by your touch to fire=20
> an SCR like
> silicon switch. Likely only by heavy bypassing, use of=20
> ferrite cores on AC
> cord leaving lamp and other heroic measures might quieten it.=20
> Might help it
> some 20 dB if it had a shorter AC cord and plugged into a 1:1=20
> AC isolation
> transformer, or at least a brute force line filter like those=20
> carried by
> some electronics outlets for AC power entry filtering to a=20
> chassis. Some
> computers have those, so check junk computer stores. Buy her=20
> a new non
> touch lamp is the best and surest cure.
> GL and 73,
> Stuart K5KVH
>=20
>=20
>=20

Date: Wed, 5 Feb 2003 18:42:36 -0600
From: Bill Stietenroth <k5zty@juno.com>
To: n1tp@swfla.rr.com
Cc: qrp-1@Lehigh.EDU
Subject: [145799] Re: fox qso
Message-ID: <20030205.191228.-1572151.2.k5zty@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

With all the QRP logging programs talked about here on this reflector I would think that the Foxes would be computer logging and wouldn't have this mess of missed calls and scraps of info on pieces of paper. That kind of logging is inexcusable today. I wonder if Randy Foltz or Ken Newman would allow me to post my contest logs for correction after one of the QRP contests?

Bill, K5ZTY
Houston, TX

On Tue, 4 Feb 2003 21:24:59 -0500 "Tom Palmer" <n1tp@swfla.rr.com> writes:

Most FOXes know that at the
> end of the hunt the mess of information that is the basis
> for the "log" oftens consists of hardly legible notes on
> pieces of paper, chicken scratches on various unorganized
> scraps of paper, notes, or whatever. It's not at all
> unusual for a FOX to forget to include a Hound's valid QSO
> in the preliminary log.

Date: Wed, 5 Feb 2003 20:23:00 -0500
From: "Howard Kraus" <K2UD@adelphia.net>
To: <qrp-1@Lehigh.EDU>
Subject: [145800] BCB Interference Filter
Message-ID: <002e01c2cd7e\$49a7c3e0\$35623018@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think I lost the address of one list denizen who wanted info on the AM BCB filter. Who are you? I got Don Foster's request, but I believe there was one more. Zapped it too soon, darn. Don, it's on the way. Who else?

72 all

Howard Kraus, K2UD

Date: Wed, 5 Feb 2003 20:36:04 -0500 (EST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
To: qrp-1@Lehigh.EDU
Subject: [145801] Re: [145773] Looking for a Norcal Cascade
Message-ID: <200302060136.h161a4m06203@panix2.panix.com>

In looking at the Cascade kit I've got here, I find I have a set of crystals for the 40M/17M conversion for it.

I also have half a dozen Sierra band module pieces; PC boards, wire and hardware, Rev B. I have no idea what I was thinking when I got these, but would like to pass them on to someone who will do something with them.

Make me some offers, please.

73, doug

Date: Wed, 05 Feb 2003 21:16:14 -0500
From: Radioham <radioham@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [145802] FS: Wilderness Norcal 40A
Message-ID: <5.1.0.14.0.20030205210808.009f7920@mail.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

This is a 40 meter CW Transceiver which is currently configured for the novice frequencies (7.100 -7.150mhz) with manual. Works very well and easy to configure to any 45 Khz segment between 7.00 and 7.150 Mhz. Does not have KC-1 keyer.

Asking \$100.00 including shipping USPS priority mail.

72/73,

Steve, N4EUK
Reston, VA

Date: Wed, 05 Feb 2003 21:19:14 -0500
From: Ed Tanton <n4xy@earthlink.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [145803] Fwd: Living up to the Hype: Superconductors
Message-ID: <5.2.0.9.2.20030205211800.01d04de8@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>Date: Wed, 5 Feb 2003 17:12:02 -0600
>Subject: Living up to the Hype: Superconductors
>From: NASA Science News <snglist@snglist.msfc.nasa.gov>

>NASA Science News for February 5, 2003
>
>Thanks to years of research involving experiments flown on the space
>shuttle, NASA-supported scientists are closer than ever to unlocking the
>amazing potential of high-temperature superconductors.
>
>FULL STORY at
>
>http://science.nasa.gov/headlines/y2003/05feb_superconductor.htm?list839287

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Wed, 05 Feb 2003 21:37:54 -0500
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jonal.net, qrp-1@lehigh.edu
Subject: [145804] NEQRP CW Net, Thursday, 6 Feb 03, 08:30 PM EST, 3.565 MHz
Message-ID: <3E41CA82.1050708@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

The New England QRP Club's 80M CW net, WQ1RP, will meet again on Thursday, 6 February 2003, at 8:30 PM EST (01:30Z, 07 Feb 03) on or near 3.565 MHz. All hams are welcome. Net control operator will be Chuck, K1CL, operating from Chelmsford, MA.

With excellent conditions, last week's net had a total of seven participants, including two first time check-ins:

WA8BXN	Mike	nr Cleveland, OH	599
W1CFI	Paul	Falmouth, MA	599
K1RC	John	Dracut, MA	599
W1FMR	Jim	Salem, NH	599
WB4X	Brent	Stoneville, NC	599
KE4JZG	Steve	TN?	579
K1CL	Chuck	Chelmsford, MA	net op

Thanks to everyone for QNI'ing. Welcome to Brent and Steve; glad to have you join us. Steve, your Pixie was doing a great job here in the Northeast. Good signal (though I had some difficulty copying because of high RFI levels).

Hope to hear you all again this week.

72 DE K1CL,
Chuck

Date: Wed, 5 Feb 2003 18:53:44 -0800
From: "Dave Fifield" <dave@redhotradio.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [145805] RE: Elecrafft K2 CW Envelope Scope Pic
Message-ID: <000001c2cd8a\$f688da20\$0a00a8c0@AD6A>

MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

While the colors may be gorgeous, the keying waveform, IMO, is not. It's not bad (I have seen a lot worse!) but I think it could be improved significantly.

The key down (front end) of the waveform is just OK and kind of what I like to see. However the trailing edge is not what I like to see. It is too abrupt, falling vertically for the first few hundred microseconds (us) and then slightly less steeply for the remainder of the edge, completing the whole transition from full power to no power in about 1.5ms.

For best (lowest) sideband noise due to keying transitions at "normal" CW speeds up to about 32wpm without sounding "soft" , I would prefer to see both keying edges have a transition time of about 3 to 4ms.

Also, IMO, the best keying waveform is actually a linear ramp (both up and down). The K2 keying waveform shown in the link has an exponential rising edge ramp (probably due to a capacitor charging). The trailing edge has a better shape, IMO, but is too fast, resulting in the signal taking more bandwidth than it need, and sounding just a little to harsh.

As I say, this is just my opinion, based on the many tests I have done in my lab with a function generator modulating an RF signal while looking at the result on a spectrum analyzer and listening to it on a receiver. Your technical opinion may be different - please tell us about it.

Let's please keep the discussion technical and civil.

Regards,
Dave Fifield, AD6A

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of John Seney

Subject: Elecraft K2 CW Envelope Scope Pic

(snip)

Here is a link to a really gorgeous K2 Keying Envelope created with a high performance digital scope using deep (24 Million Sample) deep memory.

<http://www.qsl.net/wd1v/LECROY.JPEG>

Date: Wed, 5 Feb 2003 19:01:06 -0800
From: "Dave Fifield" <dave@redhotradio.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [145806] RE: SMT work
Message-ID: <000201c2cd8b\$fe03df10\$0a00a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

The best SMT technique I have found, and it's the one our re-work ladies at work use too, is to use two soldering irons and some liquid flux.

You solder both ends of the SMT device at the same time. Surface tension keeps it exactly centered on the pads. It's easy to adjust the attitude of the device and it's quick and painless for the device (less potential damage due to excessive heat).

Downside is that you need to invest in two good soldering irons. I did, and I don't regret it.

YMMV. Cheers es 72,
Dave Fifield, AD6A

Date: Wed, 5 Feb 2003 21:13:32 -0600
From: "pschweit" <pschweit@mninter.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [145807] a tree,,, can it be an antenna?
Message-ID: <002801c2cd8d\$bbbf9fa80\$5de7add1@oemcomputer>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

i remember seeing a diagram which one chooses a tree that is about 1/4 wavelength tall,,, and feeding it with a gamma type match..

has anyone attempted to use this technique to use a tree as antenna?

de rob
KA0PGQ

Date: Wed, 05 Feb 2003 22:49:47 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: qrp-1@Lehigh.EDU
Subject: [145808] WANTED: DSW-40
Message-ID: <021501c2cd92\$cda42080\$6501a8c0@cst1tn01.in.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Please reply off list and include your price in the email.

Thanks!

73/72/71! de Brice KA8MAV
<http://www.QRPp-I.com>
<http://www.MinatureMachines.com>

Date: Wed, 5 Feb 2003 20:57:58 -0700
From: "Rod N0RC" <rod@n0rc.us>
To: <elecraft@mailman.qth.net>, "qrp-1" <qrp-1@Lehigh.EDU>,
"cqc-1" <CQCLIST@yahoogroups.com>
Subject: [145809] Re: ARS SP & Propagation Prediction
Message-ID: <003f01c2cd93\$f069d730\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Folks,

I updated the web with my ARS contacts. Interesting, the models were pretty close. Details on the web page.

73, Rod N0RC

----- Original Message -----

From: "Rod N0RC" <rod@n0rc.us>

To: <elecrafft@mailman.qth.net>; "qrp-1" <qrp-1@Lehigh.EDU>; "cqc-1" <CQCLIST@yahooogroups.com>

Sent: Sunday, January 26, 2003 2:50 PM

Subject: [Elecrafft] ARS SP & Propagation Prediction

...

> This time I'm test propagation predictions. The predictions were run
> with ACE-HF, a new "HF System Simulation and Visualization" software
> package I am working with/learning about. I put the details on a web
> page:

>

> http://www.radioactivehams.com/~n0rc/ars_sp_prop/

>

...

Date: Thu, 06 Feb 2003 05:30:34 -0800

From: Don Minkoff <cowchip@attbi.com>

To: qrp-1@lehigh.edu

Subject: [145810] Fox - California

Message-ID: <3E42637A.8060409@attbi.com>

MIME-Version: 1.0

Content-Type: text/html; charset=us-ascii

Content-Transfer-Encoding: 7bit

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">

<html>

<head>

<title></title>

</head>

<body>

I'll be your FOX this Thursday over here
on the other coast. Hope to work as many of you as I can hear. You should
listen for me around 7036 listening up 1-2 Khz. I am near Santa Monica
3 miles East of the Pacific

My exchange will be: 559 CA Don

 5W...your
call BK. I will answer TU when I receive everything correctly.

My station will be a K2 at 5W to a Force
12 C4 at 40 feet. I'll also listen with my vertical later in the hunt for
any locals.

This is not a contest and I do plan to have
fun.

See you on the air: 0200 - 0400z, 7036 +
or - and listening up 1 - 2. I will listen simplex at the end of the second
hour.

Don Minkoff

NK6A
</body>
</html>

Date: Thu, 6 Feb 2003 00:36:09 -0500 (EST)
From: George Gingell <k3tk@u1.abs.net>
To: melrosewi@aol.com
Cc: Af4ld@aol.com, QRP List <qrp-l@Lehigh.EDU>,
"Ray (Koch CW Program) Goff" <ray@g4fon.co.uk>,
Subject: [145811] Re: [QRPp-I] About becoming a Ham.
Message-ID: <20030206002601.054430-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

My guess is that you could make the 5 wpm by next week with just about any
of the Computer Based CW Training Programs.

Take a look at <<http://www.qsl.net/g4fon>> Ray has an excellent program
available for FREE. Give it a try. You will be running with the Big Dogs
in no time at all. I will warn you now, CW is addictive... Once you get
into it, it is in your blood forever. I must also add that it is the life
blood for a QRP'er. probably 90% or more of use it nearly all the time.

The last time I used a microphone was giving a talk at Church... :^}

The time before that was on 2 Meters Mobile..

"Kind of like music, you need to learn the notes before you can play in
the band" :^} (C) 2003 K3TKS

QRPP Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and CURRENT Board of Director Member.
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Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
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Yes, We take "PayPal" to "George Gingell" <K3TKS@abs.net>

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

On Wed, 5 Feb 2003 melrosewi@aol.com wrote:

> I can't wait...the test is the 16th for me...not sure I will be ready for it
> though. If nothing else, I'll just go the no code this time and upgrade when
> the next round of tests comes around for me in May (might be April, I don't
> recall off the top of my head). I've already bought two pixie kits and have
> one assembled. Sounds like it works too as I can hook it to my dummy load
> and set it next to my DX-302 and hear it right where I expected to.

>

>

> [Non-text portions of this message have been removed]

>

>

> To unsubscribe from this group, send an email to:

> QRPP-I-unsubscribe@yahoogroups.com

>

> Check out what's new at the

> QRPP International Radio Club's Web site:

> <http://www.QRPP-I.com>

>

>

>
> Your use of Yahoo! Groups is subject to <http://docs.yahoo.com/info/terms/>
>
>

Date: Thu, 6 Feb 2003 01:15:35 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [145812] Re: [PIC] Other Options
Message-ID: <20030206010518.R55277-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Dan, Mike and Others,

While this is not quite on your subject, it is very close.

I was at my favorite Bookstore (Library), Borders Books in Columbia, MD most of the day today doing a bit of research and browsing. Mostly Browsing. :^}

I noticed a couple of advertisements of interest in either Circuit Cellar or Nuts and Volts.

The first <www.atmel.com/ad/fastavr> Free Evaluation Kit and Bumper Sticker. I won't spoil it by telling what the sticker says. :^}

The other was <www.ziglog.com/z8encore2> Telephone Requests to (866) 498-3626 This one is \$ 49.95 for the Development Kit. Still not a bad deal.

MicroMint has some neat toys as well. I'll bet I can find some Vintage Stuff from them in my basement archives. :^} Right in there with the Timex/Sinclair Z80's, etc. Along with a collection of books and software.

Maybe I'll open a QRPP Computer Museum section also.

Sir George, The First :^}

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Date: Thu, 6 Feb 2003 02:28:53 -0500 (EST)
From: George Gingell <k3tk@u1.abs.net>
To: QRP List <grp-l@Lehigh.EDU>
Subject: [145813] Re: W6TOY Found
Message-ID: <20030206011542.I55277-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Yes, I finally found good Old Uncle Brucie.

He has been hiding out in a ManorCare ReHability Facility in the Northern part of town. He has suffered from Kidney Failure and is receiving Dialysis Treatment three days a week. Tuesday, Thursday and Saturday from 10:00 am until 4 pm. I would suggest not trying to call him on those days as he needs his rest from the ordeal.

I won't go into further details of the complications, etc. Suffice to say that he is alive and doing as well as can be expected under the circumstances. I am reasonably sure that he would appreciate a note or card. Calls might be o.k. also, but I would ask that they be short or maybe even better hold off on them until after i have actually had a chance to visit him personally. He called me several times in the past

several weeks and all the message I received was "I am alive in Maryland, you can call me on 301..... hold a minute while I check the number..click"

I swear I had the exact message several times. The Caller ID gave a 310 area code number and "CALIFORNIA"... Just to add a bit more to the mystery of it all.

I plan to visit him this week, probably on Friday as I could not make it today. Spent all day dealing with the lost cell phone...

His telephone number is (301) 962-4612

The Facility Number is listed as (301) 942-2500, but I have yet to get an answer on that number. I will check into that further as time permits.

Here is the mailing address in case you wish to send a note or card.

Mr. Bruce Muscolino, W6TOY Room #219
C/O ManorCare Health Services
11901 Georgia Avenue
Silver Spring, Maryland 20902

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Sir George, The First :^}

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Date: Thu, 6 Feb 2003 02:58:05 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [145814] Re: SMT Work
Message-ID: <20030206024511.J56715-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It has been a long time ago, but i seem to recall dipping a toothpick in some Super Glue Gel and putting on the circuit board in the spot where you are about to place the component, R's C's etc. Then place the component with tweezers. No need to worry about it moving while you solder it in place. Also there is a SMT Soldering paste that can be applied with a syringe applicator to the circuit board pads and allowed to set/dry when the component is placed and heat applied it just falls in place. I think this is one method used with reflow soldering and a hot air oven. also the board is epoxy masked, so the component can only fall into place when the heat is applied. Kind of like a puzzle piece falliing into place.

I wish I could show the Custom made Copper Plumbing Pipe assembly that I made up to hold down those pesky critters. I blatenly stole the idea from the Blue Rose Electronics Design. Theirs was professionally made in England. Being a ham and cheap at that, i decided that i could do them one better in nice shiny copper. Hey, it was lot's cheaper than the overseas postage and VAT. :^}

OBTW I used the Zap-A-Gap Brand super glue that is found at your local hobby store. commonly used in model aircraft construction. They also have accelerators and REMOVAL Solutions. :^} Buy both, just in case...

Not that you will need them, but you might :^}

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Sir George, The First :^}

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Date: Thu, 6 Feb 2003 04:45:51 -0500 (EST)
From: George Gingell <k3tk@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [145815] Re: SMT Work
Message-ID: <20030206042919.R59279-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am still catching up on the past weeks digests. Here is another thought for those who are having trouble with the little critters zinging here and there. Get a 5 X 7 Canvas painters Cloth at your local Harry Homeowner's store. You can use it full size or cut it down to workbench size.

Tack or staple one edge to a wooden broom handle or 2 X 2 or 2 X 4. Do likewise with the opposite side. Sort of like a Stretcher. You can use some "Y" hangers or an iron pipe Tee a 6-8 inch nipple and a pipe flange. make four of these to hold the handles up off of the bench. The working area, is of course in the middle.

How you lay it out is up to you. Basically you are making a Jewelers Workbench. Everything falls into the canvas catcher trough.

Another form attaches to the workbench edge with pipe or electrical conduit clamps. and the outer stick is supported by a couple of pvc pipe sections with tees on the end slipped over the ends of the wooden broom handle or dowels. a notch or hole in the bench holds them in place at 45 degree angle.

Someone mentioned the very fine solder for SMT work. I have not run down to see what brand it is, but a roll will last a lifetime. :^} I usually pull off about two yards and fold it up like embroidery floss. Another trick is to coil it around a small dowel then drop the coil into a Film or container or pill bottle, drill a small hole in the lid and bring the inside end of the coil up thru the hole and let about three inches hang out and down. Handy on the workbench.

GN and Happy Soldering

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Sir George, The First :^}

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"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Thu, 06 Feb 2003 07:09:02 -0500
From: "Michael C. Boatright" <ko4wx@mindspring.com>
To: qrp-l@lehigh.edu
Cc: kanga@bright.net
Subject: [145816] Re: New Book - WOW!
Message-ID: <5.0.2.1.2.20030206070441.02762e68@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Bill,

Although I haven't seen the book itself yet, I've talked with Wes, W7Z0I, a couple of times about it and should be right up there with SSD ("Solid State Design for the Radio Amateur").

The circuit design in my article in the Winter, 2003, "QRP Quarterly" titled "A Better TTC Filter for 40 Meters" was designed using Wes' TTC.EXE program which is supposed to be on the CDRom. Having used it a fair bit now, I can say that it is an EXCELLENT program, and if the rest of the book is on par with it, then we're all in for a treat!

72 de Mike, K04WX
Michael C. Boatright

Date: Thu, 6 Feb 2003 07:17:08 -0500
From: "John" <jdorson@worldshare.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [145817] FS: MFJ Cub
Message-ID: <006701c2cdd9\$b028dae0\$b03a8d41@ATHOME>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

15 meter Cub with manuals. Works great. No mods. Reason for selling...Have Mizuho 15 meter rig and don't need two rigs for the same freq..

Asking \$80.00 shipped in con USA.
Thanks.
John K2JHU...
South Island Real Estate
jdorson@worldshare.net

Date: Thu, 6 Feb 2003 05:52:40 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Bill Stietenroth <k5zty@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [145818] Re: fox qso
Message-ID: <Pine.LNX.4.44.0302060550400.1342-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bill, If you hear of one that works for a fox please pass it on. I don't know of any.

On Wed, 5 Feb 2003, Bill Stietenroth wrote:

> With all the QRP logging programs talked about here on this reflector I
> would think that the Foxes would be computer logging and wouldn't have
> this mess of missed calls and scraps of info on pieces of paper. That
> kind of logging is inexcusable today. I wonder if Randy Foltz or Ken
> Newman would allow me to post my contest logs for correction after one
> of the QRP contests?
>
> Bill, K5ZTY
> Houston, TX

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Thu, 06 Feb 2003 05:00:06 PST
From: James R Giammanco <n5ib@juno.com>
To: qrp-l@Lehigh.edu
Subject: [145819] Crystal Radio kit closeout at RS
Message-ID: <20030206.065318.4631.1.n5ib@juno.com>

Here's another Radio Shack Closeout Alert.

The crystal radio kit (#28-178) is on for \$1.97

Don't need or want a crystal radio, you say? Well remember that inside you'll find a "polyvaricon" variable capacitor with knob to fit (about \$3 at parts places if you can find them), a germanium diode (\$0.30 or so if you can find them), a very high impedance earphone (about \$2 from Mouser), not to mention some loose wire and a coil.

Buy two and you've almost got enough parts to build a little antenna tuner.

Cautionary note: At the store I visited the shelf tag was \$1.97, but the computer rang up \$5 or so. They said the shelf tag was right, so that's the price I got (bought all three they had).

No pecuniary interest... just happy to find some goodies.

72

Jim N5IB

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Only \$9.95 per month!
Visit www.juno.com

Date: Thu, 6 Feb 2003 08:05:11 -0500
From: "Tom Palmer" <n1tp@swfla.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [145820] Re: fox qso
Message-ID: <000301c2cde0\$620a3640\$6b2a0843@swfla.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

It is Bill's opinion that pen and ink logging "is
inexcusable."

I believe pen and ink logging by FOXes is not only
excusable, but is wholly acceptable, and is probably the
most usual practice. I believe this based on many e-mail
notes posted to the group by FOXes, the fact that "dupes"
appear in pre-logs, and the number of days that pass between
the hunt and posting a pre-log.

I do not recall that Bill has ever been a FOX. Except for
experienced DX CW station operators or experienced CW Field
Day operators, etc., only FOXes understand how difficult it
is to be the FOX. I do not believe that many FOXes have
much experience, Chuck and N2WW notwithstanding. I believe
N4ROA has a lot of such experience, but Dan has not YET
volunteered to be a FOX (unfortunately). Dan has an open
invitation to volunteer to be a FOX.

For 2 hours, without interruption, the FOX is listening for
a discernable call sign out of the din of cricket chirps
(all of the same QRP level signal strength), picking out a
call, transmitting the selected call sign and the FOX's data,
listening to hear the reply from the Hound - all while
trying to log each QSO. If the FOX is not experienced with
computer program logging, a FOX Hunt is NOT the time to try

to log using a computer program.

The "Committee" has not even considered a "Rule" to regulate logging procedure. A Rule that requires computer program logging would not be enforceable, but would nevertheless dissuade many FOX applicants from volunteering to be a FOX. FOX Hunt logging is not broken and does not need to be fixed.

Tom, N1TP
Naples, Florida

Date: Thu, 6 Feb 2003 06:45:48 -0700
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
"cqrc-1" <CQCLIST@yahoogroups.com>
Subject: [145821] UPDATED: the "Rock-Mite" files
Message-ID: <006a01c2cde6\$0f180600\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Another Rock-Pile entry and an interesting FET Gain control idea....

73, Rod N0RC
the "Rock-Mite" files
<http://www.radioactivehams.com/~n0rc/rm/>
<http://www.qsl.net/n0rc/rm/> (Mirror Site)

Date: Thu, 06 Feb 2003 08:36:22 -0600
From: "Frank Emens" <femens@hiwaay.net>
To: pschweit@mninter.net
Cc: qrp-1@lehigh.edu
Subject: [145822] Re: a tree,,, can it be an antenna?
Message-ID: <3E421E86.19204.274D25@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Content-description: Mail message body

I remember reading a paper by the military on the use of trees as antennas in fairly densely forested areas. The transmitter was coupled to the tree by wrapping an air core coil around the tree's trunk. The trunk was not in the center of the coil, the helix was wrapped around the tree trunk. The paper claimed propagation of a signal between the ground and the forest canopy that allowed good communications throughout the wooded area. I never heard of it being put to any practical use though, so it probably was not as effective as the paper claimed.

Date: Thu, 06 Feb 2003 09:38:58 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [145823] Re: fox qso
Message-ID: <3E427382.439DF834@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Writelog allows custom contest templates. I have a simple one I use when I am the fox. There is also a template out there that supports the ARS Spartan Sprints. I can supply both templates if anyone is interested. I have them on the shack computer.

For me using the computer to log and perform other functions in the shack is the only way to go.

73
Paul K4FB

"Karl F. Larsen" wrote:

> Hi Bill, If you hear of one that works for a fox please pass it on. I
> don't know of any.
>

Date: Thu, 06 Feb 2003 09:46:00 -0500
From: Jake Brodsky <frussle@erols.com>
To: qrp-l@lehigh.edu
Subject: [145824] Check those electrolytics!

Message-ID: <64t44vcu3ova97srhvpi933b6n8c2ldiao@4ax.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: quoted-printable

According to both of these articles, this is not a small problem. If you see some electrolytic caps on sale BEWARE!

<http://www.careyholzman.com/caps/Aluminum%20Cap%20Story.pdf>

<http://www.spectrum.ieee.org/WEBONLY/resource/feb03/ncap.html>

Jake Brodsky, AB3A <mailto:frussle@erols.com>

"Beware of the massive impossible!"

Date: Thu, 6 Feb 2003 06:57:08 -0700 (MST)

From: ac7a@earthlink.net

To: dave@redhotradio.com,

Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [145825] RE: Elecraft K2 CW Envelope Scope Pic

Message-ID: <3535694.1044543428819.JavaMail.nobody@thecount.psp.pas.earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Dave,

Your assessment appears to go along with what is being discussed on eham. The very RF knowledgeable W8JII, recently launched a good discussion about key clicks. This is a big problem with several of the high dollar radios, and the FT1000 series in particular. He references the ARRL who recommends rise and fall times of 5mS to avoid klicks. That is sufficient for 35WPM copy under marginal conditions, and 60WPM with signal levels reasonably above the noise floor. Edge rates in the 2 to 3mS range will cause bandwidth problems.

It appears the K2 is a fast on the edges, but this probably isn't too noticable at the QRP levels. I expect it might be more of an issue when the 100W PA is in the circuit.

Thomas - AC7A (Tucson)

Date: Thu, 06 Feb 2003 10:29:34 -0500
From: Alex <kr1st@amsat.org>
To: frussle@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [145826] Re: Check those electrolytics!
Message-ID: <3E427F5E.D1B52294@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Jake Brodsky wrote:

>
> According to both of these articles, this is not a small problem. If
> you see some electrolytic caps on sale BEWARE!

Thanks for sharing the links!

I think it's always a good idea to inspect electrolytic caps of critical electronics. Especially when they are exposed to a lot of heat and the electronics are used in warmer climates.

One day our car stalled. It would only start when the engine was cold but had a hard time keeping it running. The mechanic traced the problem to a faulty computer. I took the computer apart and found that 3 of the 4 capacitors had been leaking (probably for more than a year or so) and the acid had eaten away some traces on the PCB. I replaced the traces, the capacitors (that can handle higher temperatures) and put the computer back in the car. It ran like new again (and still does). Soldering skills reduced the bill from \$992 (replacement of the ECM, labor not included) to a mere \$1.15.

I had a similar problem wrong with the broken Uniden CR2021 shortwave receiver I once bought for \$3. The caps in the power supply were not leaking but were shorted. The measured good with an ohm meter, but as soon as you applied more than 1 Volt they shorted out. From the discolored LCD one could tell that this radio had been used a lot in direct sunlight and other hot conditions. I used two caps from an old switching power supply from a computer and the radio works just fine again. (actually it work better than "just fine", it's a triple conversion receiver).

73,
--Alex KR1ST

Date: Thu, 06 Feb 2003 10:39:31 -0500

From: "John P. Cummins, Sr." <jpcummins@charter.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [145827] Re: Crystal Radio kit closeout at RS
Message-ID: <3E4281B3.2010801@charter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

I found these at both of the RS here and they are on sale for \$5.97.

Pickett, AD4S

James R Giammanco wrote:

> Here's another Radio Shack Closeout Alert.
>
> The crystal radio kit (#28-178) is on for \$1.97
>
> Don't need or want a crystal radio, you say? Well remember that inside
> you'll find a "polyvaricon" variable capacitor with knob to fit (about \$3
> at parts places if you can find them), a germanium diode (\$0.30 or so if
> you can find them), a very high impedance earphone (about \$2 from
> Mouser), not to mention some loose wire and a coil.
>
> Buy two and you've almost got enough parts to build a little antenna
> tuner.
>
> Cautionary note: At the store I visited the shelf tag was \$1.97, but the
> computer rang up \$5 or so. They said the shelf tag was right, so that's
> the price I got (bought all three they had).
>
> No pecuniary interest... just happy to find some goodies.
>
> 72
> Jim N5IB
>
>
>
> -----
> Sign Up for Juno Platinum Internet Access Today
> Only \$9.95 per month!
> Visit www.juno.com
>

Date: Thu, 6 Feb 2003 10:42:48 -0800
From: "W2WU" <w2wurjj@verizon.net>
To: "Duirwydd MacTara" <duirwydd@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [145828] Re: [Antennas] 80m dipole center connectors?
Message-ID: <000401c2ce0f\$a8adf800\$fbfc998d@w2wurjj>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Paul:

I believe some confusion exists. Your message indicates two 80 Meter dipoles fed with coax. The confusion stems from several factors.

Your design indicates use of two resonant antennas for the same band. This brings up Resonance and Impedance matching. Evidently SWR is your prime concern.

The value of the load impedance connected at the far (output) end of a the line operates as a resonant or non-resonant line. If the Load impedance Z_L , is a pure resistance equal to the characteristic impedance Z_0 , the line is non-resonant. If the load impedance is not equal to Z_0 , resonant operation results. A high frequency voltage impressed on a non-resonant transmission line (i.e. $Z_L=Z_0$) travels progressively down the line at approximately the speed of light toward the load (output). Since the line is pure resistance, the current is everywhere {in phase} with the voltage. However, since the voltage and current crests travel down the line, at a given point of the line they {lag in phase behind} the voltage and current at the generator end.

When the current and voltage pass through their positive maximum at the generator end, at a point {one-quarter} wavelength down the line, the voltage and current will be passing through {zero}, and at a point {one-half} wavelength down the line they will be passing through their {previous} negative maximum. In such a non-resonant line, therefore, the voltage and current waves travel {in phase from the generator to the load}, and there are {no} reflections.

In a resonant transmission line (i.e., when Z_L is not equal to Z_0 }, voltage and current waves also travel from the generator toward the load, but they will be {reflected} at the load end, and the reflected waves will travel back in the {opposite} direction toward the generator end.

Direct and reflected waves combine at any given point of the line to produce complex combinations of {traveling and standing waves.}

All reflected power reaching the source is returned to the load, as part of the forward or incident wave. The only reflected power lost is that from line attenuation during its return to the source and once again during its return to the load.

Coax has higher RF losses than open wire at HF for two reasons:

1) It has a lower impedance, causing higher current flow at lower voltage for the same power. This results in higher I^2R loss for the same effective conductor size. (Skin effect also increases the loss with rising frequency).

2) The increased amount of dielectric material separating the conductors in coaxial line is a substantial contributor to the attenuation loss factor.

It is unnecessary to have a "resonant" $1/2$ wave antenna. A random length dipole fed with open wire works well for HF. I define "random length" as any length at least $1/4$ wavelength long, at the lowest operational frequency.

A center-fed $1/4$ wavelength antenna radiates approximately 95 % relative to a $1/2$ wave dipole.

You are thinking of dipole terminal impedance.

I do recommend a length of $3/8$ wavelength if you can't erect a full $1/2$ wave on 80 Meters. This antenna has a higher effectiveness than a $1/4$ wave dipole and does not have as sharp tuning in the antenna matching unit. To determine length use "Length(ft)=351/f Mhz."

I don't know your limitations or if you have an AMU / ATU. The matching device provides a conjugate match to antenna and "fools" your transmitter into thinking it sees a load equal to its output impedance.

An antenna fed with open wire is frequency agile versus frequency specific.

Respected texts proffer a replete transmission line / antenna impedance matching theory. 73, Ron, W2WU, B.E.

----- Original Message -----

From: "Duirwydd MacTara" <duirwydd@hotmail.com>

To: <les99a@rconnect.com>; <ve7avv@shaw.ca>; <antennas@mailman.qth.net>

Sent: Thursday, February 06, 2003 02:56

Subject: Re: [Antennas] 80m dipole center connectors?

> I was always taught that the "natural" impedance of a free space dipole was

> 75 ohms. What gives here? Isn't impedance matching between feedline and

> antenna important?

>
> "Stupidity" is a Terminal condition; However Ignorance is curable!
> Durwydd MacTara
>
> >From: Les Severson <les99a@rconnect.com>
> >To: "Paul B. Peters, VE7AVV" <ve7avv@shaw.ca>, antennas@mailman.qth.net
> >Subject: Re: [Antennas] 80m dipole center connectors?
> >Date: Wed, 05 Feb 2003 14:21:30 -0600
> >
> >Hi Paul,
> >I would seriously consider #14 450 ohm ladder line. Not only for the
> >weight issue but for minimizing the loss for such a long run.
> >Balanced feed works great !
> >Good luck & 73, Les, W 0JH
> >
> >-----
> >
> >
> >Paul B. Peters, VE7AVV wrote:
> >>I'm in the process of building 2 new 80m dipoles. At a height of 110'
and
> >>125' respectively, they are at right angles to each other. Given I'm
> >>feeding
> >>these with RG213, I wonder what suggestions I might gather from the
group
> >>about the choice of center connector. I have some older (but brand new)
> >>Budwig units and a couple of 1:1 baluns. In each case, my concern is the
> >>weight of 110' of coax hanging on the connector. Your thoughts would be
> >>appreciated.
> >>
> >>73 de Paul, VE7AVV
> >>StoneyGround Station
> >>-|<*<*>||<*<*>||<*<*>||<*<*>||<*<*>||<*<*>||<*<*>|-
> >>"All email from this address is checked by Norton AntiVirus 2002"
> >>
> >>Are you registered for DX2003 - Pacific Northwest DX Convention?
> >>Visit <http://www.bcdxc.org> for complete details and registration form.
> >>
> >>
> >>
> >>
> >>
> >>- - -
> >>
> >>Your moderator for this list is:
> >>Larry Wilson KE1HZ antennas-owner@mailman.qth.net
> >>-----
> >>Antennas mailing list

```

> >>Antennas@mailman.qth.net
> >>http://mailman.qth.net/mailman/listinfo/antennas
> >>
> >
> >
> >
> >- - -
> >
> >Your moderator for this list is:
> >Larry Wilson KE1HZ antennas-owner@mailman.qth.net
> >-----
> >Antennas mailing list
> >Antennas@mailman.qth.net
> >http://mailman.qth.net/mailman/listinfo/antennas
>
>
> -----
> Help STOP SPAM with the new MSN 8 and get 2 months FREE*
> http://join.msn.com/?page=features/junkmail
>
> - - -
>
> Your moderator for this list is:
> Larry Wilson KE1HZ antennas-owner@mailman.qth.net
> -----
> Antennas mailing list
> Antennas@mailman.qth.net
> http://mailman.qth.net/mailman/listinfo/antennas

```

```

-----
Date: Thu, 06 Feb 2003 10:59:00 -0500
From: Pete Burbank <plburbank@earthlink.net>
To: dave@redhotradio.com
Cc: qrp-1@lehigh.edu
Subject: [145829] RE: SMT work
Message-ID: <5.2.0.9.0.20030206105548.00a29e80@Earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

```

Dave ,
 Do you use a "straight" rosin flux?
 73
 Pete NV4V

At 10:01 PM 2/5/2003, you wrote:

>The best SMT technique I have found, and it's
>the one our re-work ladies at work use too, is
>to use two soldering irons and some liquid flux.
>
>You solder both ends of the SMT device at the
>same time. Surface tension keeps it exactly
>centered on the pads. It's easy to adjust the
>attitude of the device and it's quick and painless
>for the device (less potential damage due to
>excessive heat).
>
>Downside is that you need to invest in two
>good soldering irons. I did, and I don't regret it.
>
>YMMV. Cheers es 72,
>Dave Fifield, AD6A

Date: Thu, 6 Feb 2003 11:28:51 -0500
From: "Tom Pennebaker" <n4rs@netpath-rc.net>
To: <pschweit@mninter.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [145830] Re: a tree,,, can it be an antenna?
Message-ID: <006e01c2cdfc\$d65766a0\$c5c36bd1@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

That was an April Fools article in a April issue of QST a few years ago.....

Date: Thu, 6 Feb 2003 11:51:49 -0500
From: "JB Crafts" <jbcraft@adelphia.net>
To: <n4rs@netpath-rc.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [145831] Re: a tree,,, can it be an antenna?
Message-ID: <002301c2ce00\$0bce8180\$0dd73218@lbrtoh.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

With enough power, ANYTHING can be an antenna... either the tree with carbonize or the feed line will :)

Date: Thu, 6 Feb 2003 10:52:55 -0600
From: "Joe Martin" <km5cw@arrl.net>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [145832] Fw: SMT Work
Message-ID: <020b01c2ce00\$33b95120\$d543adcf@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

73 de KM5CW Joe
FISTS #4217 QRPARCI #11368 NETXQRP#42
GRID-EM13kf
(<http://web.wt.net/~km5cw>)

- _.- _.-.. _.-.

----- Original Message -----
From: "Joe Martin" <km5cw@arrl.net>
To: <k3tks@u1.abs.net>
Sent: Thursday, February 06, 2003 10:52 AM
Subject: Re: SMT Work

> Hey folks, here's a good link to get some ideas on dealing with SMT work,
> some of the equipment is commercial of course but they also have equipment
> for low volume production that some might be interested in
> <http://www.zephyrtronics.com/home.html>.
> Also I have some good links on the top of my web site that might be of
> interest in the process, one is to the baking method and a prototype
baking
> oven that might be worth your time.

> 73 de KM5CW Joe
> FISTS #4217 QRPARCI #11368 NETXQRP#42
> GRID-EM13kf
> (<http://web.wt.net/~km5cw>)

> - _.- _.-.. _.-.

> ----- Original Message -----
> From: "George Gingell" <k3tks@u1.abs.net>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

> Sent: Thursday, February 06, 2003 1:58 AM
> Subject: Re: SMT Work
>
>
>

Date: Thu, 06 Feb 2003 12:51:57 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [145833] Re: W6TOY Found
Message-ID: <5.1.1.6.1.20030206124830.00a6b160@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

George,

Good job on tracking down Bruce. I'm glad he's still kicking.

>I swear I had the exact message several times. The Caller ID gave a 310
>area code number and "CALIFORNIA"... Just to add a bit more to the
>mystery of it all.

FWIW, some prepaid long distance services (like the cards you get at Wal-Mart) will cause an unexpected state name to show up on Caller ID. My daughter's boyfriend from Ohio was visiting us in New York last summer, and whenever he called from the road with his long distance card it showed up as (I think) Kansas. When his mother (who was travelling with him) called using her card, it showed up as California.

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 06 Feb 2003 13:03:32 -0500
From: Ed Tanton <n4xy@earthlink.net>
To: k3tks@u1.abs.net,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [145834] Re: SMT Work
Message-ID: <5.2.0.9.2.20030206130024.01ebbec0@pop.earthlink.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

I would strongly advise against superglue. You want to TACK the part down for soldering, not leave it there for posterity. And you never know what a 'remover' solution will do to the board or surrounding parts. Use a tiny dab of rubber cement. Simple, cheap, and removable.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Thu, 06 Feb 2003 13:20:42 -0500
From: Kenneth Cooperstein <cprstn54@att.net>
To: qrp-l@Lehigh.EDU
Subject: [145835] 2M CW QRP calling frequency?
Message-ID: <3E42A779.6AD4E5A8@att.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

I see from the ARRL band plan that 144.050-144.100 is "general CW and weak signals."

I have been searching this sub-band for days (QTH is Long Island, NY) and have heard nada.

Is there a customary calling frequency in this sub-band?

Ken KC2JDY

Date: Thu, 6 Feb 2003 10:37:32 -0800 (PST)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: n1tp@swfla.rr.com,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [145836] Re: fox qso
Message-ID: <20030206183732.49813.qmail@web14208.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

One, I never said that pen and paper is bad. Used it for all my contest logging until 6 months ago. What I refer to is the reply about using scrapes of paper.

Two, Yes this is an event. It was started as a aide to learn about breaking pilups and work a contest on CW. Therefore it should be run as a contest. You can't change your contest entry after the fact, so you should not be able to chathishius either.

Third, I have never been a Fox or Hound because of time constraints. But I do my fair share of contesting and special event work to known what is involved.

73, Bill kc4atju

Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
<http://mailplus.yahoo.com>

Date: Thu, 6 Feb 2003 13:55:57 -0500
From: "John Huffman" <hjohnc@core.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [145837] Spartan Sprint Results - NOT
Message-ID: <007801c2ce12\$157d1f90\$f1c859cf@jhuffmanlt>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Gang -

Normally you would be seeing the Spartan Sprint results for our February 3

outing here. Not so this month.

It appears that at 10:30 am Tuesday morning the autolog died. While we work on resurrecting it, we'll go to plan B.

I need your help. If I have your results (see the list of scores I've already received at the end of this message), you need to do nothing.

If I don't (I expect there's around 15 of you) please email your results to me at hjohnc@core.com by noon on Saturday. That way I can distribute the final results on Sunday. You can just reply to this message.

When you email me, I need the number of QSOs on each band, station weight, and any soapbox comments you may have. I don't need totals or a complete log, just the stuff that would be on the autolog if it were working.

If you log on to the Adventure Radio Society web page, the autolog looks fine. It just doesn't send me your score. So, for the present, please email your score.

Sorry for the inconvenience. We'll be back up to speed for next month.

Scores I have in the order received:

W3ZMN
ko4py
KH6HE
KE9V
N7AC
K50T
W1ZZL
KC IOX
NA8M
K5JHP
N0TK
KE6RS
K3AS
K5LN
N9JXY
AA1MY
WA4CIT
K3NY
n8we
KE4R
KL7RHJ
N7RVD
KG8GW
K7RE
AF4LQ

N4DMI
N7LT
K3TW
AD6YU
NK6A
K8KFJ
W7WIK
KG6MGJ
KD7GIM
AB4VF
N4BP
WJ9B
K3ESE
KG4GVL
AA8SN
KI0MZ
K4AVX
W3ANX
wb6hpk
WB8RTJ

73 de NA8M
John
Contest Manager
Adventure Radio Society

Date: Thu, 6 Feb 2003 14:01:47 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <frussle@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [145838] Re: Check those electrolytics!
Message-ID: <005801c2ce12\$380ffbe0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Caps have always been 'one of those things' that can go bad, but people
always take for granted.

I picked up a Heathkit FM stereo tuner once for \$1 because it wouldn't
work. Shorted cap in the AGC feedback line.

And I've picked up power supplies and voltage inverters for 'exploded' caps.

Why do people think this is something new?

Yes, there IS a higher failure rate of a manufacturing sequence of these caps, and it just happens to be coming at a time when the reliability of everything else (including other manufacturers caps) are taking a skyward leap! Maybe that's the issue. Everybody else goes up, but one not only didn't go up, it went DOWN! WAY down!

But it really isn't anything new. I mean the 'issue'. Actually, the whole thing. I think this has been on the list twice already. Although it probably bears telling again, as I think it's been at least 6 months since it was last raised here.

Thing is, if people are aware of the issue, there's some cheap bargains to be had if you know about this problem!

Mike

Date: Thu, 6 Feb 2003 14:03:57 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <k3tks@u1.abs.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [145839] Re: [PIC] Other Options
Message-ID: <006b01c2ce12\$881361e0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Don't forget the NMIY setup. A development board for I think \$31 with an 8031/51 on board...

Mike

Date: Thu, 6 Feb 2003 14:06:04 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>

To: <k3tks@u1.abs.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [145840] Re: W6TOY Found
Message-ID: <007d01c2ce12\$cf8aaba0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I swear I had the exact message several times. The Caller ID gave a 310
> area code number and "CALIFORNIA"... Just to add a bit more to the
> mystery of it all.

This probably just means he was using a 'phone card'. A lot of them
will show the nearest routing on CallerID. And not always the same
from call to call.

Mike

Date: Thu, 06 Feb 2003 14:53:16 -0500
From: Ed Lawson <k1vp@grizzly.com>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [145841] Is digital moving in?
Message-ID: <3E42BD2C.5010203@grizzly.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

It seems to me that over the past few years the digital modes are
increasing moving downward into the area typically used by QRP operators
on 40 and 20. Is it just me, or have others noticed this? It also
seems that slower speed hams, maybe new ones, are often heard more now
around the QRP freq. too which I consider a good and healthy
development for QRP and CW.

Ed Lawson
K1VP

Date: Thu, 06 Feb 2003 14:49:06 -0500
From: Jake Brodsky <frussle@erols.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [145842] Re: Check those electrolytics!
Message-ID: <5ie54v8t9ae6b1j43l4m5t2544g2ai7i9v@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Thu, 6 Feb 2003 14:01:47 -0500, Mike Yetsko wrote:

>Caps have always been 'one of those things' that can go bad, but people
>always take for granted.

Mike, this is something different. Yes, I've always been suspicious
about electrolytic capacitors. However, these links are about a story
that needs more publicity. =20

There is a bad batch of electrolyte out there and several Taiwanese
manufacturers shipped BILLIONS of capacitors with it. This
electrolyte, apparently garnered through industrial espionage, lacks
some key ingredients. This leads to a much higher failure rate of
electrolytic capacitors than one would normally be willing to expect.

Intel Corp. reported that some of these capacitors leaked after as
little as 250 hours of service!

Caveat Emptor.

Jake Brodsky, AB3A <mailto:frussle@erols.com>
"Beware of the massive impossible!"

Date: Thu, 6 Feb 2003 14:12:52 -0600
From: "Dave Sjolín" <sjolin@swbell.net>
To: <cprstn54@att.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [145843] Re: 2M CW QRP calling frequency?
Message-ID: <002301c2ce1c\$25432a00\$78d1fea9@DaveSjolin>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

144.100 is cw calling frequency but I doubt you will hear very much there or
below that frequency. Here in the Midwest, 144.200 is used for calling cw
cq's as well as SSB. During a contest you will here cq's plus or minus
twenty khz from the calling frequency. Same during Aurora events.

Also I think some of the EME is creeping up above 144.050.

73 and welcome to two meter cw

de Dave, N0IT

----- Original Message -----

From: "Kenneth Cooperstein" <cprstn54@att.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, February 06, 2003 12:20 PM

Subject: 2M CW QRP calling frequency?

> I see from the ARRL band plan that 144.050-144.100 is "general CW and
> weak signals."

>

> I have been searching this sub-band for days (QTH is Long Island, NY)
> and have heard nada.

>

> Is there a customary calling frequency in this sub-band?

>

> Ken KC2JDY

>

>

>

Date: Thu, 06 Feb 2003 16:07:06 -0500

From: "Brice D. Hornback" <bdh@cyberbound.net>

To: n4xy@earthlink.net, qrp-1@Lehigh.EDU

Subject: [145844] Re: SMT Work

Message-ID: <011101c2ce23\$b4d79640\$6501a8c0@cstltn01.in.comcast.net>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

I have built many tiny BEAM robots that were built "free form". That is, the components themselves make up the chassis, not terribly unlike "ugly" or "Manhattan style" except no PCB material is used at all. Yes, it's point-to-point wired... without wire. Anyway... I typically superglued the parts together (like transistors, ICs, etc.) where the solder joints alone didn't provide enough rigidity. I have never had a problem with superglue (or the chemicals in it) attacking the components or solder joints. Your mileage may vary...

73/72/71! de Brice KA8MAV

----- Original Message -----

From: "Ed Tanton" <n4xy@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Thursday, February 06, 2003 1:03 PM

Subject: Re: SMT Work

> I would strongly advise against superglue. You want to TACK the part down
> for soldering, not leave it there for posterity. And you never know what a
> 'remover' solution will do to the board or surrounding parts. Use a tiny
> dab of rubber cement. Simple, cheap, and removable.

>

>

> 73 Ed Tanton N4XY <n4xy@earthlink.net>

>

> Ed Tanton N4XY

> 189 Pioneer Trail

> Marietta, GA 30068-3466

>

> website: <http://www.n4xy.com>

>

> All emails <IN> & <OUT> checked by

> Norton AntiVirus with AutoProtect

>

> LM: ARRL QCWA AMSAT & INDEXA;

> SEDXC NCDXA GACW QRP-ARCI

> OK-QRP QRP-L #758 K2 (FT) #00057

>

>

End of QRP-L Digest 2823
